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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,106	10/01/2001	Vernon E. McGeorge JR.	10016748-1	4773

7590 09/02/2004

HEWLETT-PAKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

INGBERG, TODD D

ART UNIT	PAPER NUMBER
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2124

DATE MAILED: 09/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/966,106

Applicant(s)

MCGEORGE, VERNON E.

Examiner

Todd Ingberg

Art Unit

2124

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 October 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: _____

DETAILED ACTION

Claims 1 – 17 have been examined.

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 1 – 8 and 17 are rejected for failing to be concrete and tangible. The Examiner has proposed one way to overcome this rejection.

Claim 1

A method executing on a computer readable medium for internationalization testing of a program under development, the method comprising steps of: determining whether a command from a tester of the program contains a test switch therein, the test switch initiating the internationalization testing of the program; and displaying to the tester a character string being tested within the program in a first format after receipt of the test switch when the command contains the test switch.

Claim 17

A system executing on a computer readable medium for internationalization testing of a program under development, comprising an input device, a processor, and output device, a first memory to store the program, a second memory to store at least one message catalogue, and a third memory that includes modules to control the; processor, the modules comprising: a module to determine whether a command from a tester of the program contains a test switch therein, the test switch initiating the internationalization testing of the program; and a module to display to the tester a character string being tested within the program in a first format after receipt of the test switch when the command contains the test switch, wherein the input device allows a user to input the command containing the test switch for initializing a testing code, wherein the output device displays the character string being tested in the first format, and wherein the at least one message catalogue contains a plurality of localized character strings.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 2, 4- 7, 9, 10, 12 – 15 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by **Wantanabe** USPN 6,185,729.

Claim 1

Wantanabe anticipates a method for internationalization testing of a program under development (**Wantanabe**, Abstract – “A development suite for developing and testing internationalized software”), the method comprising steps of: determining whether a command from a tester of the program contains a test switch therein (**Wantanabe**, col 3, lines 35 – 55, FIG. 2 illustrates an internationalized program which has been localized into a plurality of languages. Program 200 has been internationalized, that is, written with the appropriate hooks so that a particular message catalog 210 and a corresponding language table 220 can either be bound to the program 200 at run time or selected by virtue of a software switch.), the test switch initiating the internationalization testing of the program; and displaying to the tester a character string being tested within the program in a first format after receipt of the test switch when the command contains the test switch (**Wantanabe**, col 3, lines 15 – 35, textual message and col 4, lines 40 - 60).

Claim 2

The method of claim 1, further comprising the step of: determining whether the character string being tested is defined by a message catalogue key, whereby the character string being tested is internationalized if it contains the message catalogue key (**Wantanbe**, col 4, 60 – end of page and figure 4 process depicted to translate from English to other language).

Claim 4

The method of claim 1, further comprising the steps of: selecting a message catalogue based on a locale parameter; and retrieving a specific localized character string from a message catalogue using a message catalogue key. (**Wantanbe**, col 4, 60 – end of page and figure 4 process depicted to translate from English to other language).

Claim 5

The method of claim 4, wherein: the locale parameter corresponds to a specific language; and a plurality of localized character strings in the message catalogue is expressed in the specific language. (**Wantanbe**, col 4, 60 – end of page and figure 4 process depicted to translate from English to other language using what Wantanabe is calling a multibyte representation).

Claim 6

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The method of claim 5, wherein: the plurality of localized character strings includes times and dates; and the times and dates are expressed in a format pursuant to the specific language. (**Wantanabe**, col 4, lines 10 - 15).

Claim 7

The method of claim 4, wherein the locale parameter is expressed as a country/language pair. (**Wantanabe**, Abstract and Figure 2 with col 3, lines 35 - 50, "multibyte representation").

Claim 9

Wantanabe anticipates a computer-readable medium containing modules to control a processor for internationalization testing of a program under development (**Wantanabe**, Abstract – "A development suite for developing and testing internationalized software"), the modules comprising: a module to determine whether a command from a tester of the program contains a test switch therein therein, (**Wantanabe**, col 3, lines 35 – 55, FIG. 2 illustrates an internationalized program which has been localized into a plurality of languages. Program 200 has been internationalized, that is, written with the appropriate hooks so that a particular message catalog 210 and a corresponding language table 220 can either be bound to the program 200 at run time or selected by virtue of a software switch.), the test switch initiating the internationalization testing of the program; and a module to display to the tester a character string being tested within the program in a first format after receipt of the test switch when the command contains the test switch(**Wantanabe**, col 3, lines 15 – 35, textual message and col 4, lines 40 - 60).

Claim 10

The computer-readable medium of claim 9, further comprising: a module to determine whether the character string being tested is defined by a message catalogue key, whereby the character string being tested is internationalized if it contains the message catalogue key. As per the rejection for claim 2.

Claim 12

The computer-readable medium of claim 9, further comprising: a module to select a message catalogue based on a locale parameter; and a module to retrieve a specific localized character string from a message catalogue using the message catalogue key. As per the rejection as per claim 4.

Claim 13

The computer-readable medium of claim 12, wherein: the locale corresponds to a specific language; and the plurality of localized character strings in the message catalogue is expressed in the specific language. As per the rejection for claim 5.

Claim 14

The computer-readable medium of claim 13, wherein: the plurality of localized character strings contains times and dates; and the times and dates are in a format pursuant to the specific language. As per the rejection for claim 6.

Claim 15

The computer-readable medium of claim 12, wherein the locale parameter is expressed as a country/language pair. As per the rejection for claim 7.

Claim 17

Wantanabe anticipates a system for internationalization testing of a program under development (**Wantanabe**, Abstract – “A development suite for developing and testing internationalized software”), comprising an input device, a processor, and output device, a first memory to store the program, a second memory to store at least one message catalogue, and a third memory that includes modules to control the; processor, the modules comprising: a module to determine whether a command from a tester of the program contains a test switch therein therein (**Wantanabe**, col 3, lines 35 – 55, FIG. 2 illustrates an internationalized program which has been localized into a plurality of languages. Program 200 has been internationalized, that is, written with the appropriate hooks so that a particular message catalog 210 and a corresponding language table 220 can either be bound to the program 200 at run time or selected by virtue of a software switch.), the test switch initiating the internationalization testing of the program; and a module to display to the tester a character string being tested within the program in a first format after receipt of the test switch when the command contains the test switch(**Wantanabe**, col 3, lines 15 – 35, textual message and col 4, lines 40 - 60), wherein the input device allows a user to input the command containing the test switch for initializing a testing code, wherein the output device displays the character string being tested in the first format, and wherein the at least one message catalogue contains a plurality of localized character strings (**Wantanbe**, col 4, 60 – end of page and figure 4 process depicted).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 3 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Wantanabe USPN 6,185,729 in view of **Heiny** USPN #5,778,356.

Motivation to Combine

Wantanabe teaches software development and testing of Internationalization of software.

Wantanabe does not explicitly teach the underlying mechanisms of implementing such an invention. Heiny is a more detailed teaching of implementing internationalization of software.

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to combine **Wantanabe** and **Heiny** because, Internationalization of software allows for the ability to make software useable by users of many languages.

Claim 3

The method of claim 2, further comprising the step of displaying to the tester the character string being tested in a second format when the character string being tested is not defined by the message catalogue key. (**Heiny**, col 27, lines 15 – 30).

Claim 11

The computer-readable medium of claim 10, further comprising: a module to display to the tester the character string being tested in a second format when the character string being tested is not defined by the message catalogue key. As per the rejection for claim 3.

7. Claims 8 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Wantanabe as applied to claims 1 and 9 above, and further in view of **IBM Graphical Locale Builder** published April 1998.

Wantanabe in column 5 lines 15 to 20 mentions a visual distinction. However **Wantanabe** does not explicitly teach the display format for strings in an internationalization display. It is **IBM** on pages 5 and 6 that teaches string support in Internationalization of software. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to combine **Wantanabe** and **Heiny** with **IBM** because display formatting allows for "...culturally sensitive..." displays.

Claim 8

The method of claim 1, wherein the step of displaying the character string being tested in a first format further includes: manipulating letters of the character string being tested such that letters of the character string being displayed in the first format are opposite in case from letters of the character string being tested. (**IBM** on pages 5 and 6 that teaches string support in Internationalization of software).

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Claim 16

The computer-readable medium of claim 9, wherein the module to display the character string being tested in a. first format manipulates letters of the character string being tested such that letters of the character string being displayed in the first format are opposite in case from letters of the character string being tested. As per the rejection for claim 8.

Correspondence Information

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Todd Ingberg** whose telephone number is (703) 305-9775. The examiner can normally be reached during the following hours:

Monday	Tuesday	Wednesday	Thursday	Friday
6:15 – 1:30	6:15- 3:45	6:15 – 4:45	6:15-3:45	6:15-130

This schedule began December 1, 2003 and is subject to change.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Kakali Chaki** can be reached on (703) 305-9662. Please, note that as of August 4, 2003 the **FAX number** changed for the organization where this application or proceeding is assigned is **(703) 872-9306**.

Also, be advised the United States Patent Office **new address** is

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Alexandria, Virginia 22313-1450

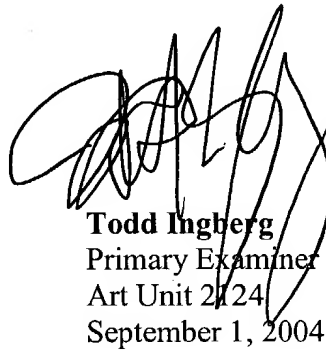
Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-9700.

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Special Notice

9. Please, Note the Examiner's telephone number will change in October when the Art Unit moves to the new location. The Examiner's new telephone number will be as follows:

(571) 272-3723



Todd Ingberg
Primary Examiner
Art Unit 2124
September 1, 2004